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Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s}=8$ TeV pp collisions with the ATLAS detector

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Erratum to: Search for supersymmetry in events containing a same-flavour opposite-sign dilepton pair, jets, and large missing transverse momentum in $\sqrt{s} = 8$ TeV pp collisions with the ATLAS detector

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It has been found that one of the signal models in Figs. 5 and 9 was incorrectly labeled in the legend. The label has been fixed, while none of the results or exclusions have changed.

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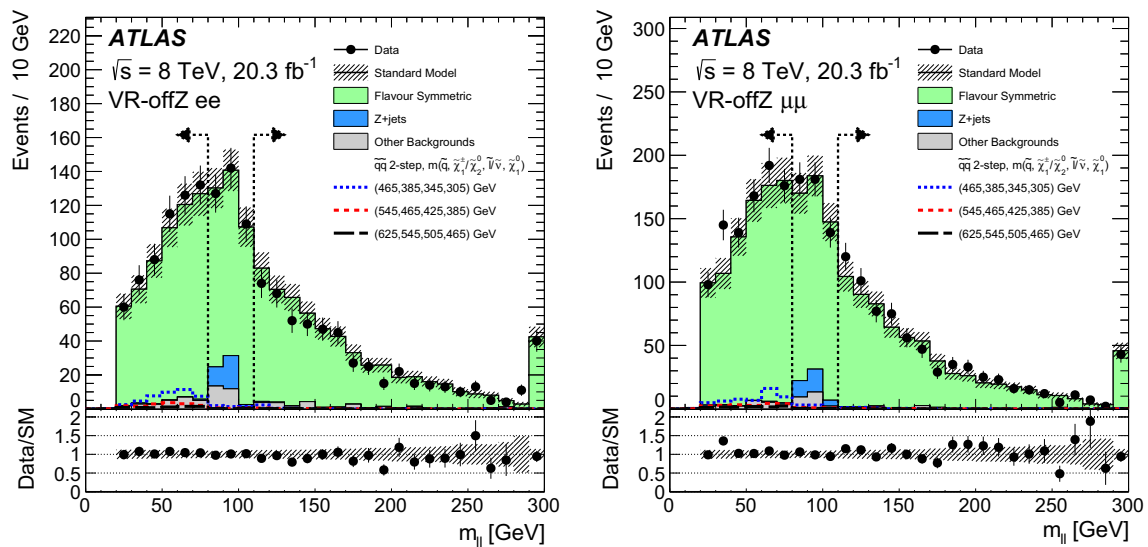


Fig. 5 (Corrected version): The observed and expected dilepton mass distributions in the electron (*left*) and muon (*right*) channel of the validation region (VR-offZ) of the off-Z search. Data (*black points*) are compared to the sum of expected backgrounds (*solid histograms*). The *vertical dashed lines* indicate the $80 < m_{\ell\ell} < 110$ GeV region, which is used to normalise the Z + jets background. Example signal models

(*dashed lines*) are overlaid, with $m(\tilde{q})$, $m(\tilde{\chi}_2^0)/m(\tilde{\chi}_1^\pm)$, $m(\tilde{\ell})/m(\tilde{\nu})$, and $m(\tilde{\chi}_1^0)$ of each benchmark point being indicated in the figure legend. The *bottom plots* show the ratio of the data to expected background. The *error bars* indicate the statistical uncertainty in data, while the *shaded band* indicates the total background uncertainty. The last bin contains the overflow

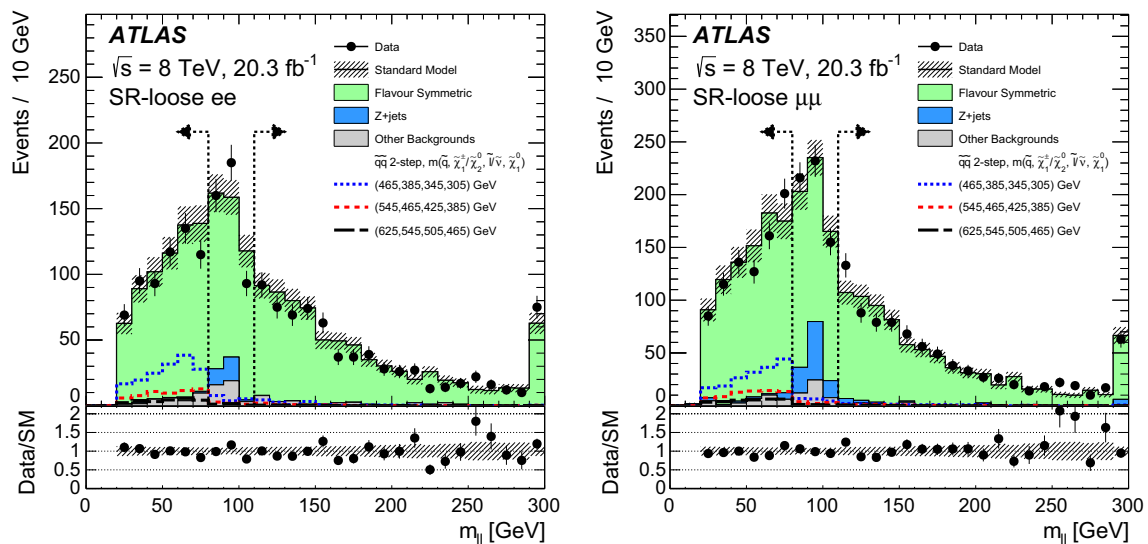


Fig. 9 (Corrected version): The observed and expected dilepton mass distributions in the off-Z SR-loose. The *vertical dashed lines* indicate the $80 < m_{\ell\ell} < 110$ GeV region, which is used to normalise the Z + jets background and is thus not treated as a search region. Example

signal models (*dashed lines*) are overlaid, with $m(\tilde{q})$, $m(\tilde{\chi}_2^0)/m(\tilde{\chi}_1^\pm)$, $m(\tilde{\ell})/m(\tilde{\nu})$, and $m(\tilde{\chi}_1^0)$ of each benchmark point being indicated in the figure legend. The last bin contains the overflow. All uncertainties are included in the *hatched uncertainty band*

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